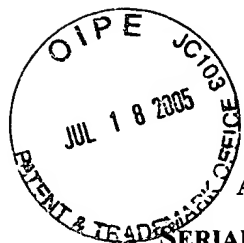


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Attorney Docket No.: 24862-503
(Former Docket No.: Duke 1931)



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

APPLICANT : Jonathan S. Stamler
SERIAL NUMBER. : 09/977,693 **EXAMINER :** David A. Lambertson
FILING DATE : October 16, 2001 **ART UNIT :** 1636
FOR : *PROTEOMIC INTERACTION AND GENOMIC ACTION DETERMINATIONS IN
THE PRESENCE OF ASSOCIATED REDOX STATE CONDITIONS*

MAIL STOP AF

Commissioner for Patents
P. O. Box 1450
Alexandria, VA 22313-1450

**AMENDMENT AND RESPONSE TO THE FINAL OFFICE ACTION DATED
APRIL 18, 2005**

In response to the Final Office Action mailed April 18, 2005, Applicant submits herewith this Amendment and Response under 37 C.F.R §1.116. Also submitted herewith is a Notice of Appeal and the fee required under §41.20(b)(1) for a small entity. Entry and consideration of this after-final Amendment and associated papers in the application is respectfully requested.

Amendments to the claims are shown in the listing of claims, which begins on page 2 of this paper.

Remarks/Arguments begin on page 5 of this paper.